

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

AN EXAMINATION OF THE APPLICATION OF)	
THE FUEL ADJUSTMENT CLAUSE OF)	CASE NO.
LOUISVILLE GAS AND ELECTRIC COMPANY FROM)	2017-00004
NOVEMBER 1, 2014 THROUGH OCTOBER 31, 2016)	

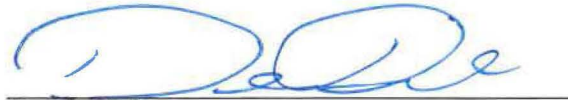
SUPPLEMENTAL RESPONSE TO QUESTION NO. 2 OF
LOUISVILLE GAS AND ELECTRIC COMPANY
TO
COMMISSION STAFF'S POST-HEARING REQUEST FOR INFORMATION
IN COMMISSION'S ORDER DATED APRIL 21, 2017

FILED: July 5, 2017


VERIFICATION

COMMONWEALTH OF KENTUCKY)
) SS:
COUNTY OF JEFFERSON)

The undersigned, **Derek Rahn**, being duly sworn, deposes and says that he is Manager - Revenue Requirement for LG&E and KU Services Company, and that he has personal knowledge of the matters set forth in the responses for which he is identified as the witness, and the answers contained therein are true and correct to the best of his information, knowledge and belief.


Derek Rahn

Subscribed and sworn to before me, a Notary Public in and before said County and State, this 5th day of July 2017.

 (SEAL)
Notary Public

My Commission Expires:
JUDY SCHOOLER
Notary Public, State at Large, KY
~~My commission expires July 11, 2018~~
Notary ID # 512743

LOUISVILLE GAS AND ELECTRIC COMPANY

**Supplemental Response to Question No. 2
of Commission Staff's Post Hearing Request for Information
in Commission's Order Dated April 21, 2017**

Case No. 2017-00004

Question No. 2

Witness: Derek Rahn

Q-2. If a final Order is issued in LG&E's current base rate proceeding before a final Order is issued in this proceeding, provide an updated response to the Commission's February 6, 2017 Request for Information, Item 16, to show the effect of LG&E's proposed decrease in base fuel costs on base rates.

A-2. **Original Response:**

See attached. In developing the attachment, the Company utilized the rates developed and presented in the Stipulation and Recommendation filed in Case No. 2016-00371 on April 19, 2017.

July 5, 2017 Supplemental Response:

See attached. In developing the attachment, the Company utilized the rates of final Order presented in Case No. 2016-00371 on June 29, 2017.

Louisville Gas and Electric Company Revised TariffsCommission Order
dated 6/29/17

Tariff Sheet No.	Rate Schedule	Base Rates --		Existing Fuel Component of Base Rates	Existing Base Rate -- Excluding Fuel Base	Revised Fuel Component of Base Rates	Revised Base Rates including Fuel and ECR				
		Energy, Fuel and ECR									
5	RS	\$	0.09162	\$	0.02725	\$	0.06437	\$	0.02428	\$	0.08865
6	RTOD - Energy										
	Off Peak	\$	0.06662	\$	0.02725	\$	0.03937	\$	0.02428	\$	0.06365
	On Peak	\$	0.23263	\$	0.02725	\$	0.20538	\$	0.02428	\$	0.22966
7	RTOD - Demand	\$	0.04963	\$	0.02725	\$	0.02238	\$	0.02428	\$	0.04666
9	VFD	\$	0.09162	\$	0.02725	\$	0.06437	\$	0.02428	\$	0.08865
10	GS	\$	0.09944	\$	0.02725	\$	0.07219	\$	0.02428	\$	0.09647
15	PS										
	Secondary	\$	0.04053	\$	0.02725	\$	0.01328	\$	0.02428	\$	0.03756
	Primary	\$	0.03906	\$	0.02725	\$	0.01181	\$	0.02428	\$	0.03609
20	TODS	\$	0.04031	\$	0.02725	\$	0.01306	\$	0.02428	\$	0.03734
22	TODP	\$	0.03802	\$	0.02725	\$	0.01077	\$	0.02428	\$	0.03505
25	RTS	\$	0.03675	\$	0.02725	\$	0.00950	\$	0.02428	\$	0.03378
30	FLS										
	Primary	\$	0.03802	\$	0.02725	\$	0.01077	\$	0.02428	\$	0.03505
	Transmission	\$	0.03675	\$	0.02725	\$	0.00950	\$	0.02428	\$	0.03378
37	LE	\$	0.06934	\$	0.02725	\$	0.04209	\$	0.02428	\$	0.06637
38	TE	\$	0.08282	\$	0.02725	\$	0.05557	\$	0.02428	\$	0.07985
79	SPS	\$	0.04071	\$	0.02725	\$	0.01346	\$	0.02428	\$	0.03774
80	STOD	\$	0.04049	\$	0.02725	\$	0.01324	\$	0.02428	\$	0.03752
81	OSL										
	Secondary	\$	0.04070	\$	0.02725	\$	0.01345	\$	0.02428	\$	0.03773
	Primary	\$	0.03924	\$	0.02725	\$	0.01199	\$	0.02428	\$	0.03627

Special Contracts

Louisville Water Company	\$	0.03857	\$	0.02725	\$	0.01132	\$	0.02428	\$	0.03560
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LOUISVILLE GAS AND ELECTRIC COMPANY
LIGHTING SCHEDULES; ALL RATES PER UNIT PER MONTH

Page	Schedule		Kwh per	Fuel Factor	Annual Increase	Monthly	Tariff	
			year	Increase \$/kWh	per year	Increase	Commission	Revised
				(0.00297)			Order dated	
							6/29/17	
35	LS	Lighting Service						
		Overhead Service						
		Rate	Approximate					
		Code Type of Fixture	Lumens kW Per Light					
		High Pressure Sodium						
		452 Cobra Head	16,000 0.181	724 kWh/year	(2.15)	(0.18)	13.78	13.60
		453 Cobra Head	28,500 0.294	1,176 kWh/year	(3.49)	(0.29)	16.17	15.88
		454 Cobra Head	50,000 0.471	1,884 kWh/year	(5.60)	(0.47)	18.61	18.14
		455 Directional	16,000 0.181	724 kWh/year	(2.15)	(0.18)	14.73	14.55
		456 Directional	50,000 0.471	1,884 kWh/year	(5.60)	(0.47)	19.44	18.97
		457 Open Bottom	9,500 0.117	468 kWh/year	(1.39)	(0.12)	11.93	11.81
		Metal Halide						
		473 Directional	32,000 0.350	1,400 kWh/year	(4.16)	(0.35)	19.89	19.54
		Light Emitting Diode (LED)						
		490 Cobra Head	8,179 0.080	320 kWh/year	(0.95)	(0.08)	14.36	14.28
		491 Cobra Head	14,166 0.134	536 kWh/year	(1.59)	(0.13)	17.43	17.30
		492 Cobra Head	23,214 0.228	912 kWh/year	(2.71)	(0.23)	26.75	26.52
		493 Open Bottom	5,007 0.050	200 kWh/year	(0.59)	(0.05)	9.48	9.43
35.1	LS	Lighting Service						
		Underground Service						
		Rate	Approximate					
		Code Type of Fixture	Lumens kW Per Light					
		High Pressure Sodium						
		412 Colonial, 4 sided	5,800 0.083	332 kWh/year	(0.99)	(0.08)	21.33	21.25
		413 Colonial, 4 sided	9,500 0.117	468 kWh/year	(1.39)	(0.12)	22.09	21.97
		444 Colonial, 4 sided	16,000 0.181	724 kWh/year	(2.15)	(0.18)	22.22	22.04
		415 Acorn	5,800 0.083	332 kWh/year	(0.99)	(0.08)	21.73	21.65
		416 Acorn	9,500 0.117	468 kWh/year	(1.39)	(0.12)	24.21	24.09
		445 Acorn	16,000 0.181	724 kWh/year	(2.15)	(0.18)	24.21	24.03
		427 London	5,800 0.083	332 kWh/year	(0.99)	(0.08)	37.12	37.04
		429 London	9,500 0.117	468 kWh/year	(1.39)	(0.12)	37.15	37.03
		431 Victorian	5,800 0.083	332 kWh/year	(0.99)	(0.08)	34.81	34.73
		433 Victorian	9,500 0.117	468 kWh/year	(1.39)	(0.12)	36.95	36.83
		400 Dark Sky	4,000 0.060	240 kWh/year	(0.71)	(0.06)	25.33	25.27
		401 Dark Sky	9,500 0.117	468 kWh/year	(1.39)	(0.12)	25.98	25.86
		956 Victorian/London Bases			-	-	3.71	3.71
		423 Cobra Head	16,000 0.181	724 kWh/year	(2.15)	(0.18)	28.50	28.32
		424 Cobra Head	28,500 0.294	1,176 kWh/year	(3.49)	(0.29)	30.83	30.54
		425 Cobra Head	50,000 0.471	1,884 kWh/year	(5.60)	(0.47)	36.80	36.33
35.2	LS	Lighting Service						
		Underground Service						
		Rate	Approximate					
		Code Type of Fixture	Lumens kW Per Light					
		High Pressure Sodium						
		439 Contemporary	16,000 0.181	724 kWh/year	(2.15)	(0.18)	17.42	17.24
		420 Contemporary	16,000 0.181	724 kWh/year	(2.15)	(0.18)	32.20	32.02
		440 Contemporary	28,500 0.294	1,176 kWh/year	(3.49)	(0.29)	19.37	19.08
		421 Contemporary	28,500 0.294	1,176 kWh/year	(3.49)	(0.29)	34.80	34.51
		441 Contemporary	50,000 0.471	1,884 kWh/year	(5.60)	(0.47)	23.55	23.08
		422 Contemporary	50,000 0.471	1,884 kWh/year	(5.60)	(0.47)	40.60	40.13
		Metal Halide						
		481 Contemporary	32,000 0.350	1,400 kWh/year	(4.16)	(0.35)	21.67	21.32
		482 Contemporary	32,000 0.350	1,400 kWh/year	(4.16)	(0.35)	32.79	32.44
		Light Emitting Diode (LED)						
		496 Cobra Head	8,179 0.080	320 kWh/year	(0.95)	(0.08)	52.66	52.58
		497 Cobra Head	14,166 0.134	536 kWh/year	(1.59)	(0.13)	55.73	55.60
		498 Cobra Head	23,214 0.228	912 kWh/year	(2.71)	(0.23)	65.05	64.82
		499 Colonial, 4-sided	5,665 0.068	272 kWh/year	(0.81)	(0.07)	45.46	45.39

**LOUISVILLE GAS AND ELECTRIC COMPANY
LIGHTING SCHEDULES; ALL RATES PER UNIT PER MONTH**

Page	Schedule	Kwh per year	Fuel Factor Increase \$/kWh	Annual Increase per year	Monthly Increase	Tariff	
						Commission Order dated 6/29/17	Revised
			(0.00297)				
36	RLS Restricted Lighting Service						
	Overhead Service						
	Rate Code Type of Fixture	Approximate Lumens	kW Per Light				
	Mercury Vapor						
	252 Cobra/Open Bottom	8,000	0.210	840 kWh/year	(2.49)	(0.21)	10.50 10.29
	203 Cobra Head	13,000	0.298	1,192 kWh/year	(3.54)	(0.30)	11.98 11.68
	204 Cobra Head	25,000	0.462	1,848 kWh/year	(5.49)	(0.46)	14.77 14.31
	209 Cobra Head	60,000	1.180	4,720 kWh/year	(14.02)	(1.17)	30.18 29.01
	207 Directional	25,000	0.462	1,848 kWh/year	(5.49)	(0.46)	16.84 16.38
	210 Directional	60,000	1.180	4,720 kWh/year	(14.02)	(1.17)	31.41 30.24
	201 Open Bottom	4,000	0.100	400 kWh/year	(1.19)	(0.10)	8.98 8.88
	Metal Halide						
	470 Directional	12,000	0.150	600 kWh/year	(1.78)	(0.15)	13.81 13.66
	471 Directional	12,000	0.150	600 kWh/year	(1.78)	(0.15)	16.48 16.33
	474 Directional	32,000	0.350	1,400 kWh/year	(4.16)	(0.35)	22.18 21.83
	475 Directional	32,000	0.350	1,400 kWh/year	(4.16)	(0.35)	29.64 29.29
	476 Directional	107,800	1.080	4,320 kWh/year	(12.83)	(1.07)	42.04 40.97
	477 Directional	107,800	1.080	4,320 kWh/year	(12.83)	(1.07)	45.23 44.16
36.1	RLS Restricted Lighting Service						
	Overhead Service continued						
	Rate Code Type of Fixture	Approximate Lumens	kW Per Light				
	Wood Pole						
	958 Installed Before 3/1/2010				-	-	11.32 11.32
	900 Installed Before 7/1/2004				-	-	2.15 2.15
	Underground Service						
	Rate Code Type of Fixture	Approximate Lumens	kW Per Light				
	High Pressure Sodium						
	275 Cobra/Contemporary	16,000	0.181	724 kWh/year	(2.15)	(0.18)	26.98 26.80
	266 Cobra/Contemporary	28,500	0.294	1,176 kWh/year	(3.49)	(0.29)	29.67 29.38
	267 Cobra/Contemporary	50,000	0.471	1,884 kWh/year	(5.60)	(0.47)	34.05 33.58
	276 Coach/Acorn	5,800	0.083	332 kWh/year	(0.99)	(0.08)	15.85 15.77
	274 Coach/Acorn	9,500	0.117	468 kWh/year	(1.39)	(0.12)	19.05 18.93
	277 Coach/Acorn	16,000	0.181	724 kWh/year	(2.15)	(0.18)	23.68 23.50
	279 Contemporary	120,000	1.000	4,000 kWh/year	(11.88)	(0.99)	45.11 44.12
	278 Contemporary	120,000	1.000	4,000 kWh/year	(11.88)	(0.99)	76.24 75.25
	417 Acorn, Bronze	9,500	0.117	468 kWh/year	(1.39)	(0.12)	25.36 25.24
	419 Acorn, Bronze	16,000	0.180	720 kWh/year	(2.14)	(0.18)	26.94 26.76
	280 Victorian	5,800	0.083	332 kWh/year	(0.99)	(0.08)	21.29 21.21
	281 Victorian	9,500	0.117	468 kWh/year	(1.39)	(0.12)	22.34 22.22
	282 London	5,800	0.083	332 kWh/year	(0.99)	(0.08)	21.45 21.37
	283 London	9,500	0.117	468 kWh/year	(1.39)	(0.12)	22.84 22.72

**LOUISVILLE GAS AND ELECTRIC COMPANY
LIGHTING SCHEDULES; ALL RATES PER UNIT PER MONTH**

36.2 RLS Restricted Lighting Service

Underground Service		Approximate							
Rate Code	Type of Fixture	Lumens	kW Per Light						
High Pressure Sodium									
426	London	5,800	0.083	332 kWh/year	(0.99)	(0.08)	35.10	35.02	
428	London	9,500	0.117	468 kWh/year	(1.39)	(0.12)	36.04	35.92	
430	Victorian	5,800	0.083	332 kWh/year	(0.99)	(0.08)	34.12	34.04	
432	Victorian	9,500	0.117	468 kWh/year	(1.39)	(0.12)	36.28	36.16	
Victorian/London Bases									
950	Old Town				-	-	3.62	3.62	
951	Chesapeake				-	-	3.83	3.83	
Poles									
901	10' Smooth Pole				-	-	10.82	10.82	
902	10' Fluted Pole				-	-	12.91	12.91	
Mercury Vapor									
318	Cobra Head	8,000	0.210	840 kWh/year	(2.49)	(0.21)	18.53	18.32	
314	Cobra Head	13,000	0.298	1,192 kWh/year	(3.54)	(0.30)	20.42	20.12	
315	Cobra Head	25,000	0.462	1,848 kWh/year	(5.49)	(0.46)	24.44	23.98	
206	Coach	4,000	0.100	400 kWh/year	(1.19)	(0.10)	13.40	13.30	
208	Coach	8,000	0.210	840 kWh/year	(2.49)	(0.21)	15.28	15.07	
Metal Halide									
479	Contemporary	12,000	0.150	600 kWh/year	(1.78)	(0.15)	15.45	15.30	
480	Contemporary	12,000	0.150	600 kWh/year	(1.78)	(0.15)	25.93	25.78	
483	Contemporary	107,800	1.080	4,320 kWh/year	(12.83)	(1.07)	45.01	43.94	
484	Contemporary	107,800	1.080	4,320 kWh/year	(12.83)	(1.07)	56.11	55.04	
Incandescent									
349	Continental Jr.	1,500	0.102	408 kWh/year	(1.21)	(0.10)	9.57	9.47	
348	Continental Jr.	6,000	0.447	1,788 kWh/year	(5.31)	(0.44)	13.93	13.49	